

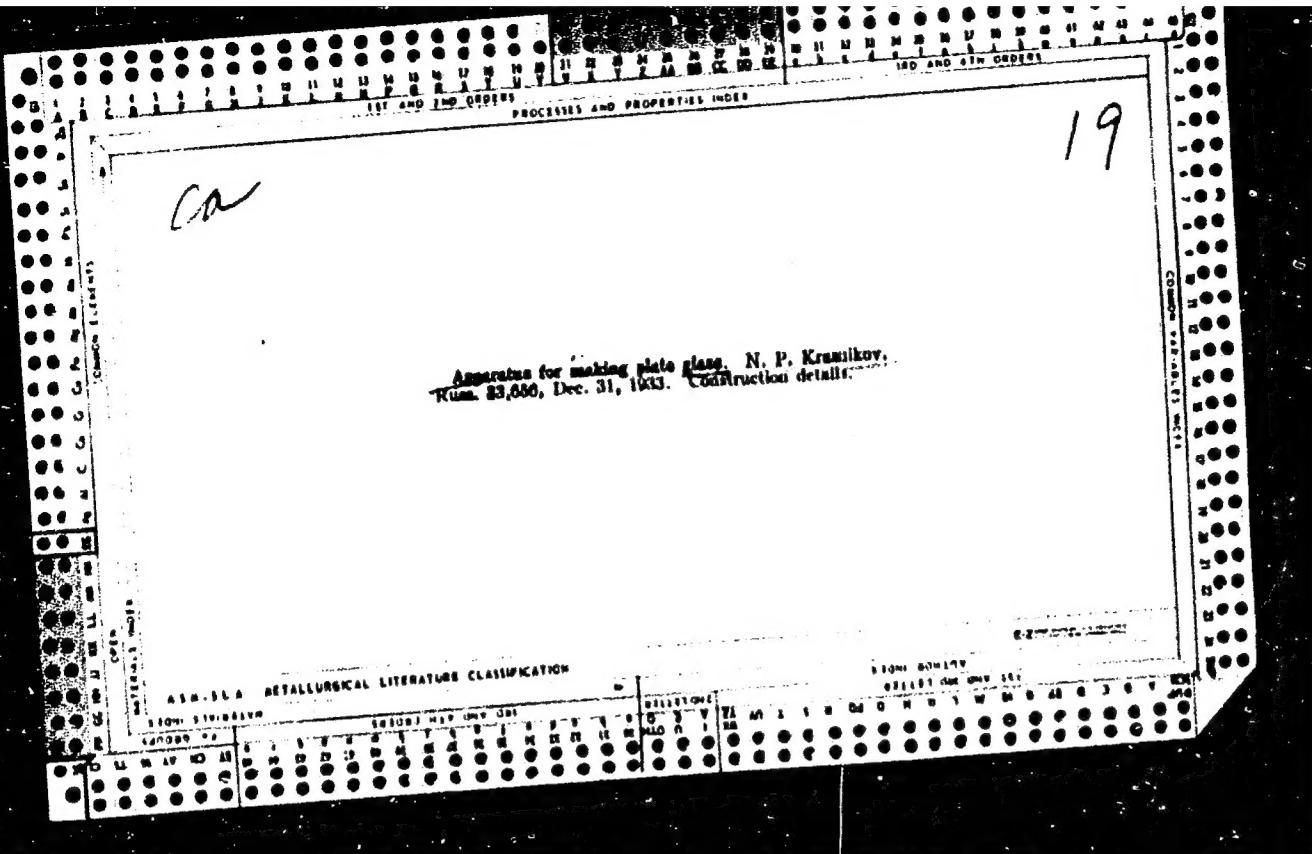
L 24836-66

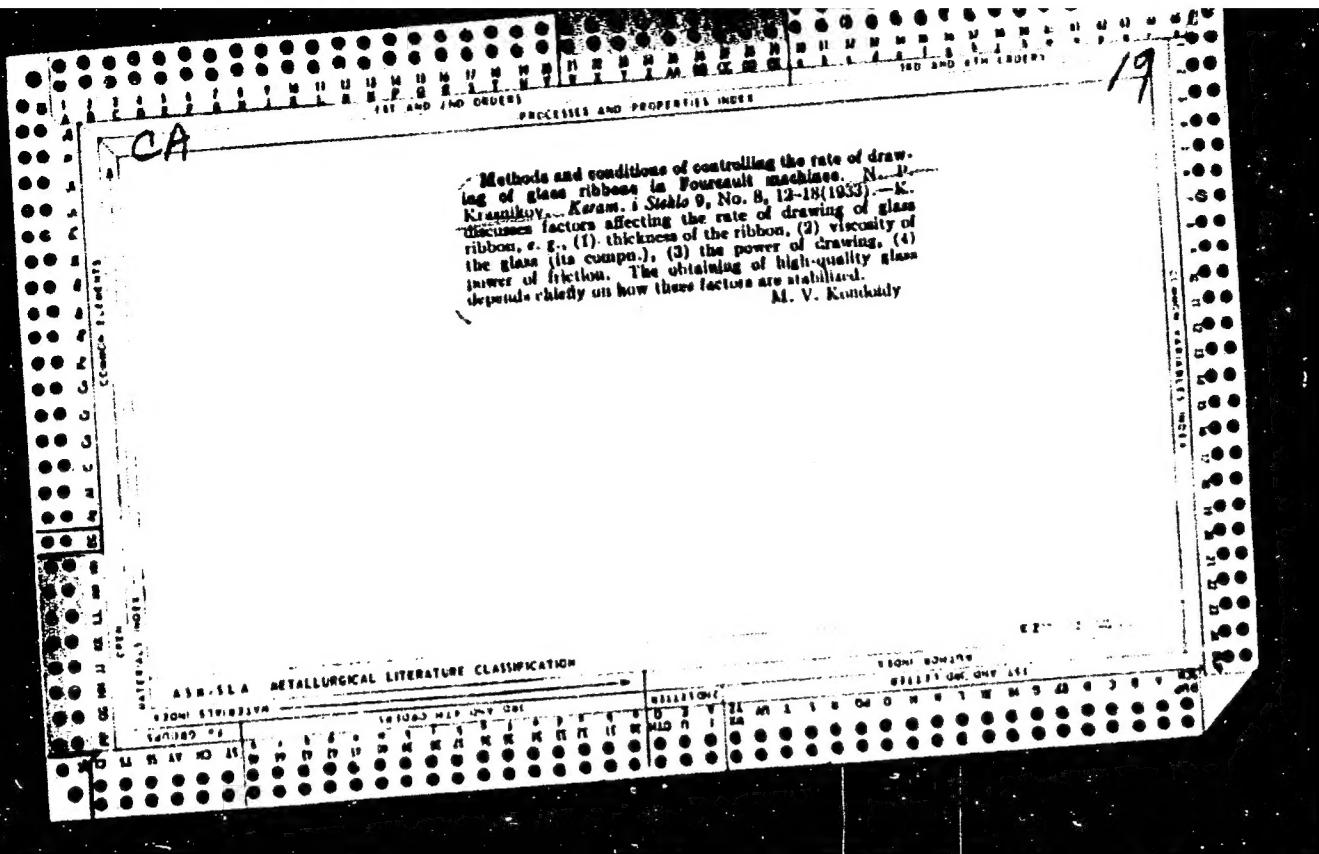
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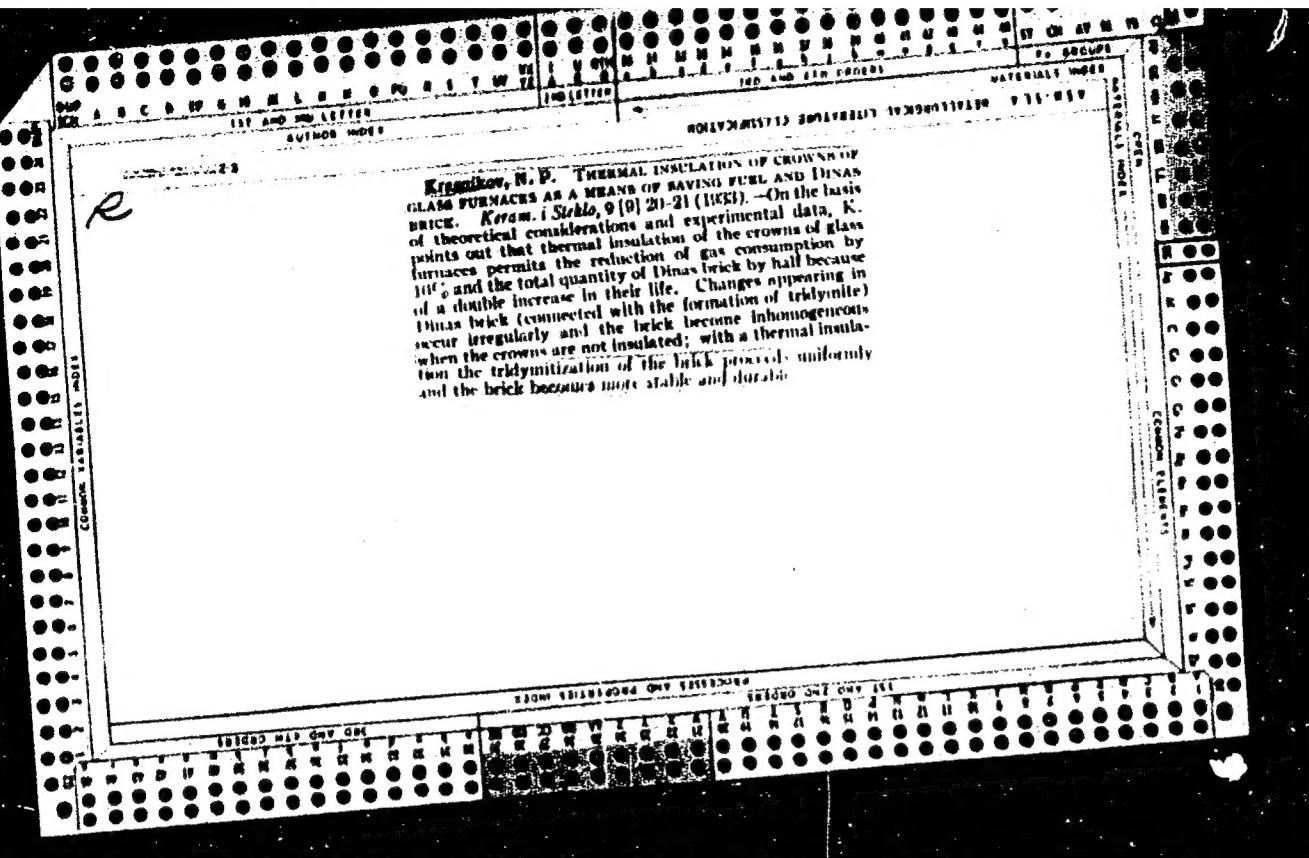
soil. Experiments and observations have shown that the ratio between the velocities for propagation of elastic longitudinal and transverse waves  $\gamma = V_p/V_s$  varies widely even in the same type of soil depending on a number of factors (density, moisture content, rockiness etc.). Empirical formulas are given for the seismic intensity of longitudinal and transverse oscillations in terms of wave velocity and soil density. The seismic characteristics of various types of ground are tabulated. A method is proposed for using the formulas and table in seismic microzoning for civil engineering purposes. The method may be used as a first approximation in evaluating the seismic conditions of areas made up of various types of soil. The limitations of this method are discussed. Orig. art. has: 1 table, 3 formulas.

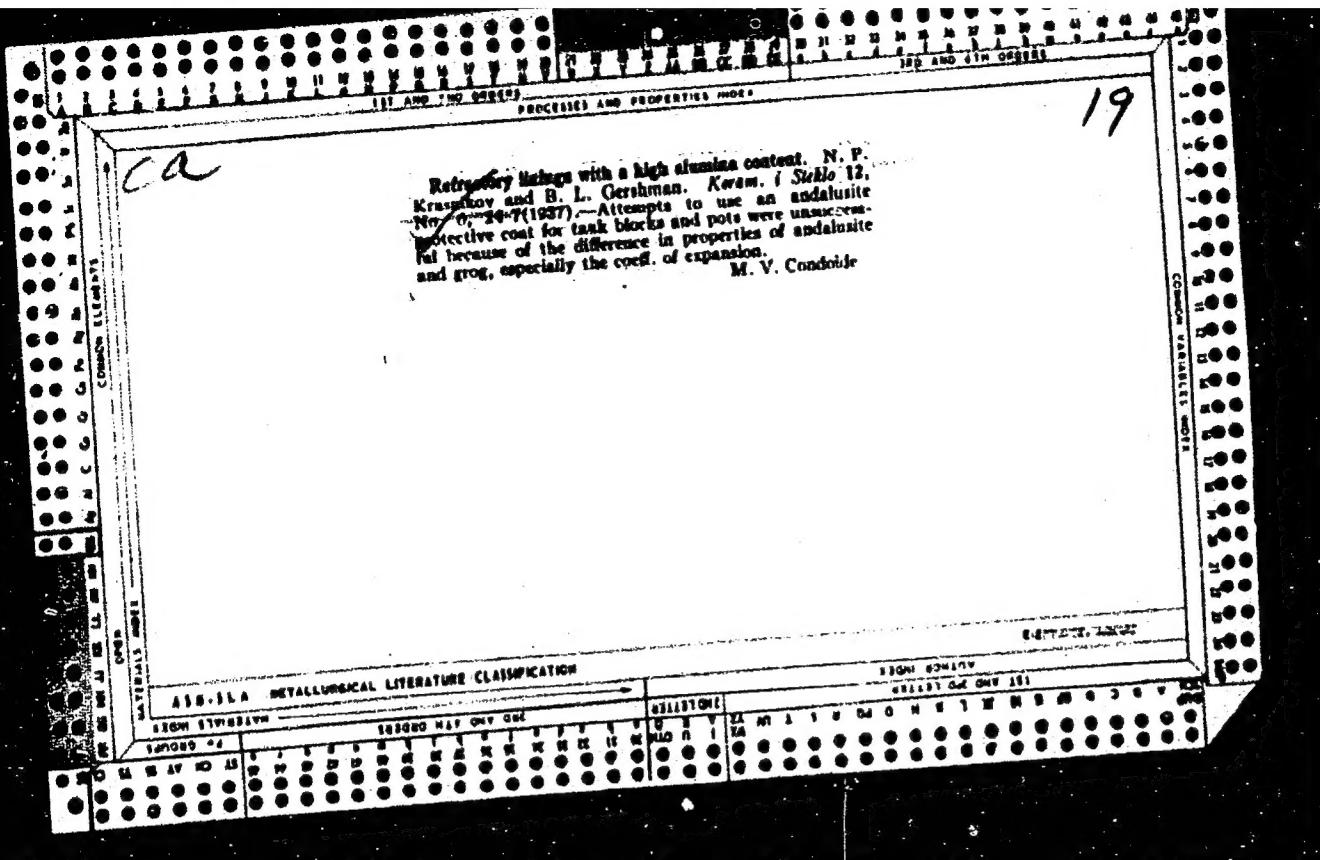
SUB CODE: 08/ SUBM DATE: 00/ ORIG REF: 007/ OTH REF: 000

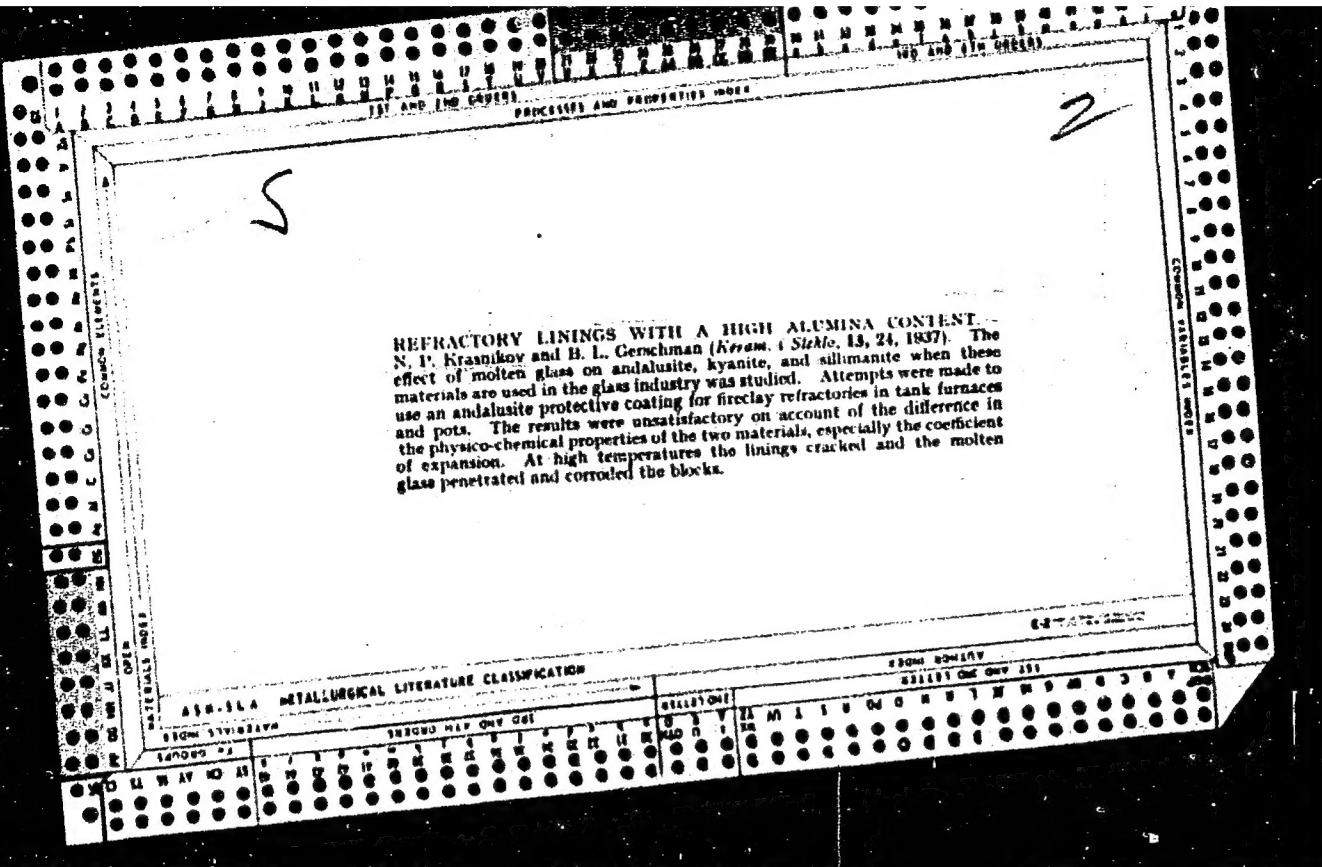
Card 2/2 dda

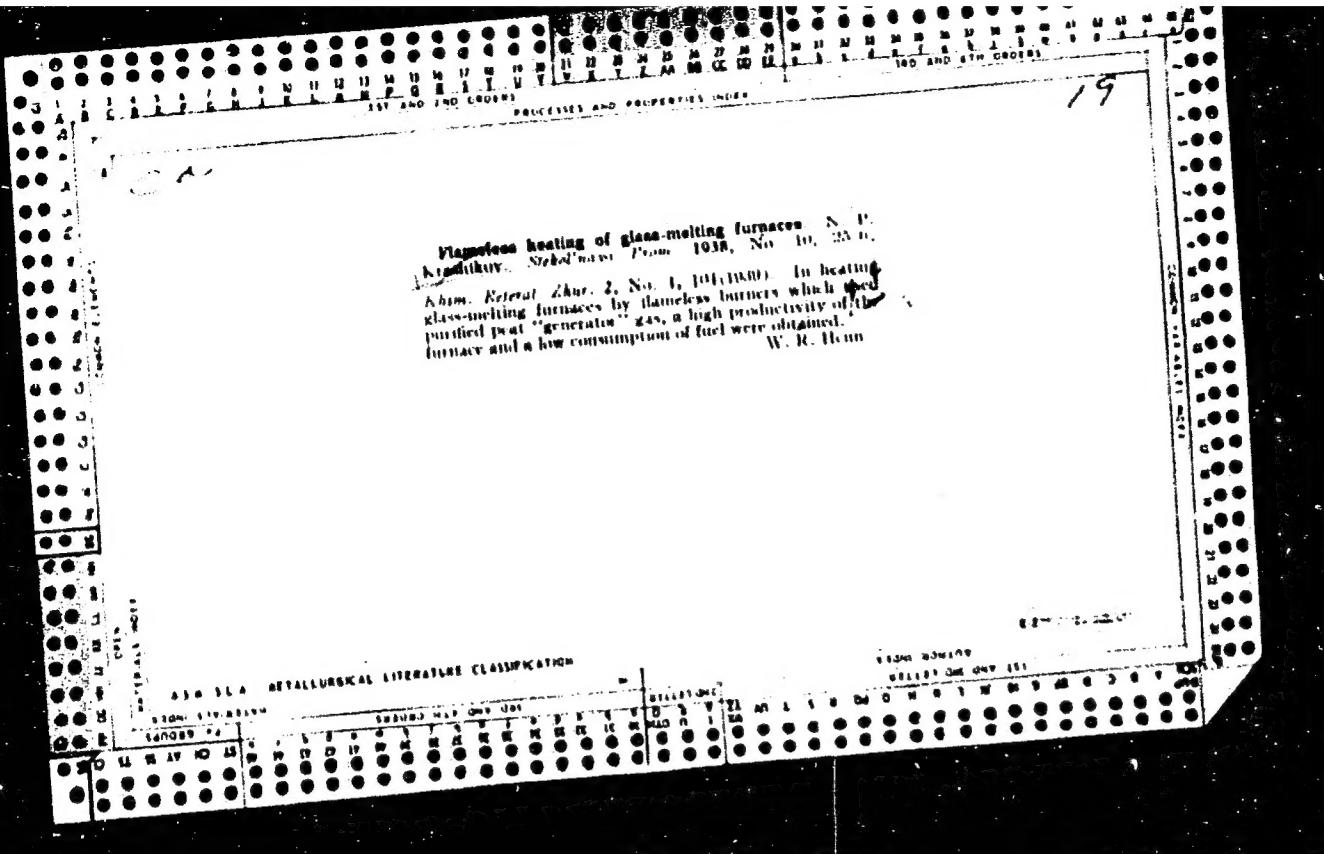












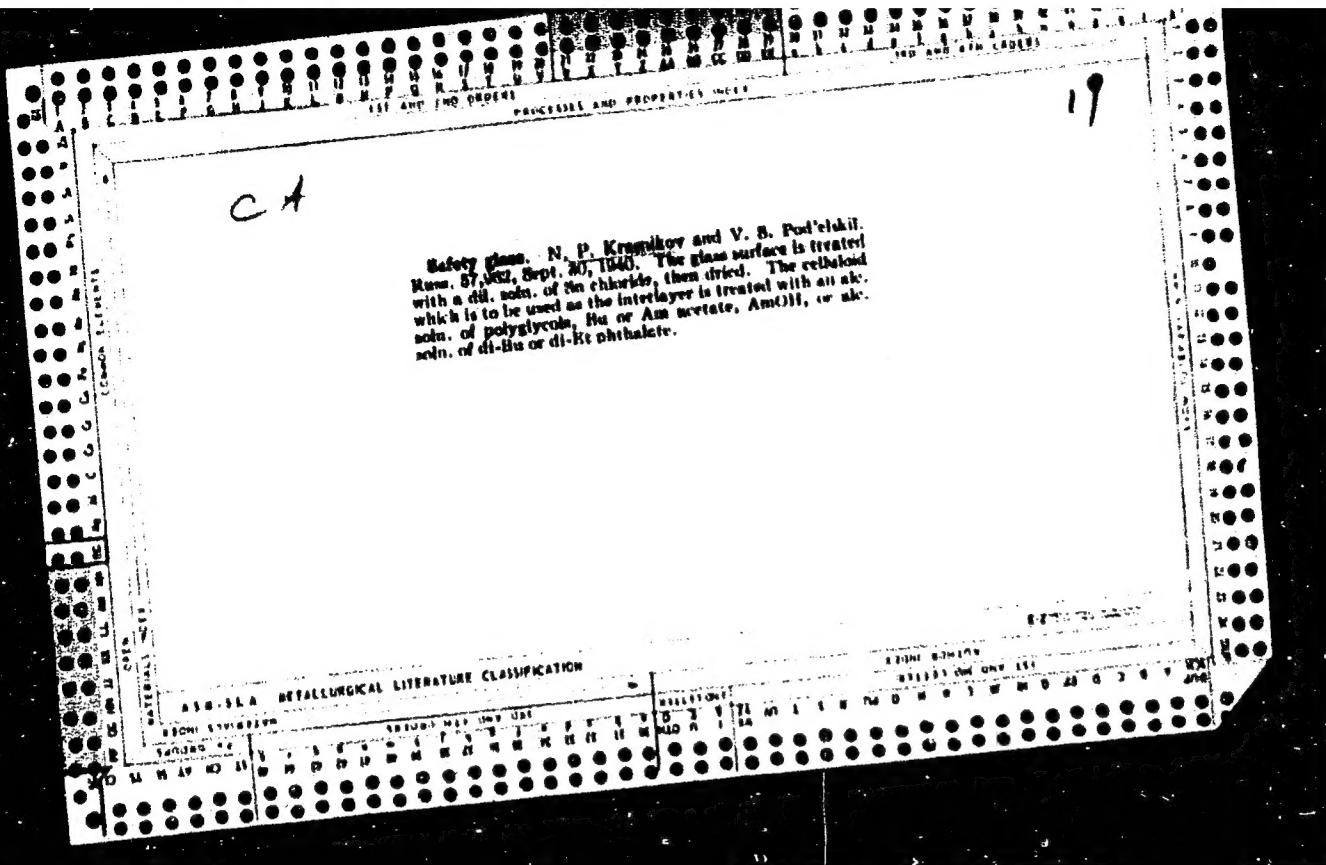
**Substitution of NaCl for soda in glass melting.** N. P. Kuzminskii, *Proc. Stratford Material. 1939*, No. 1, 120-345. After reviewing the literature, K. suggests a method that has been preliminarily verified in semipilot conditions. The briquetted charge is melted at 1350° in a shaft kiln of the blast-furnace type. The melt is introduced from there into a refining basin where the refining takes place at 1450-80°. The method is being investigated. C. L. B.

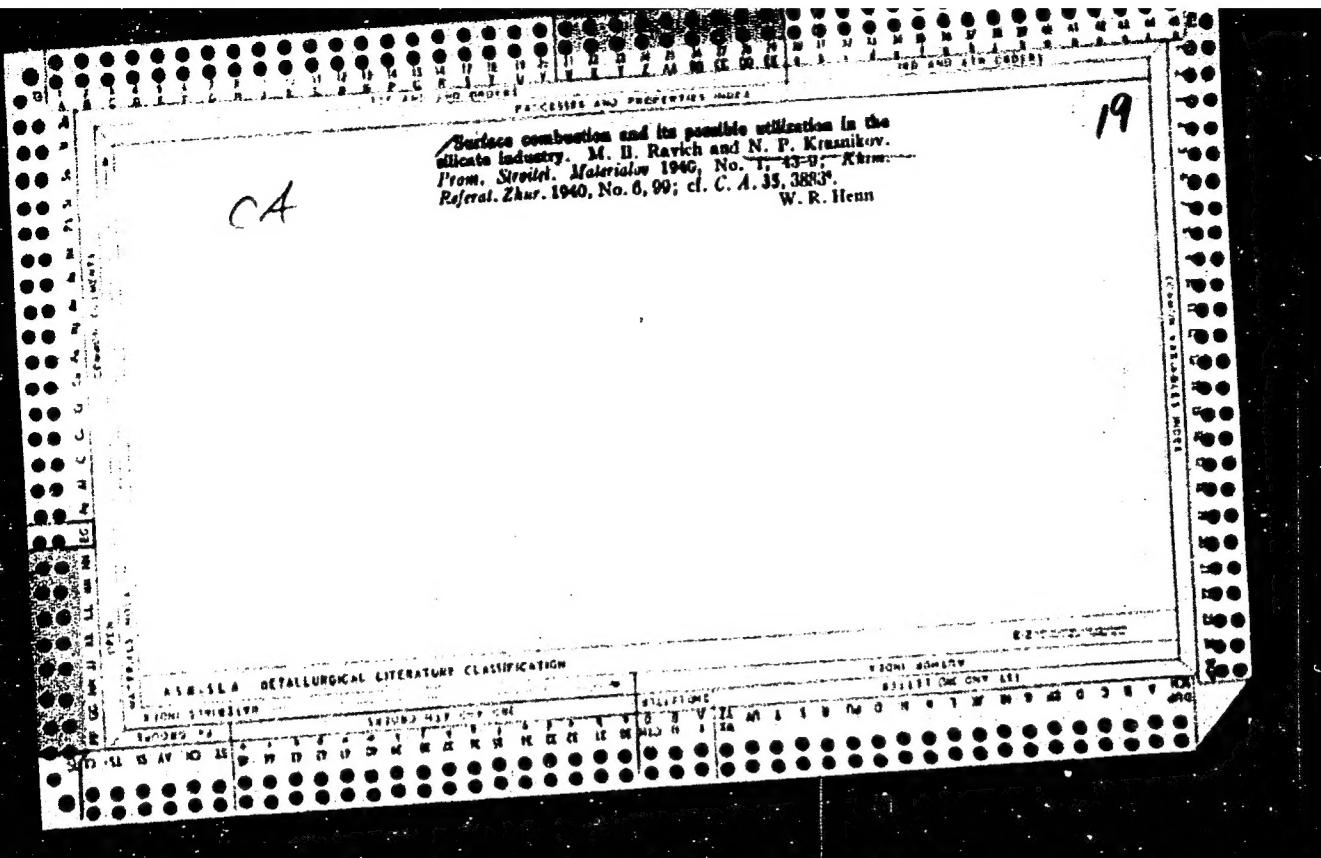
C. I., II

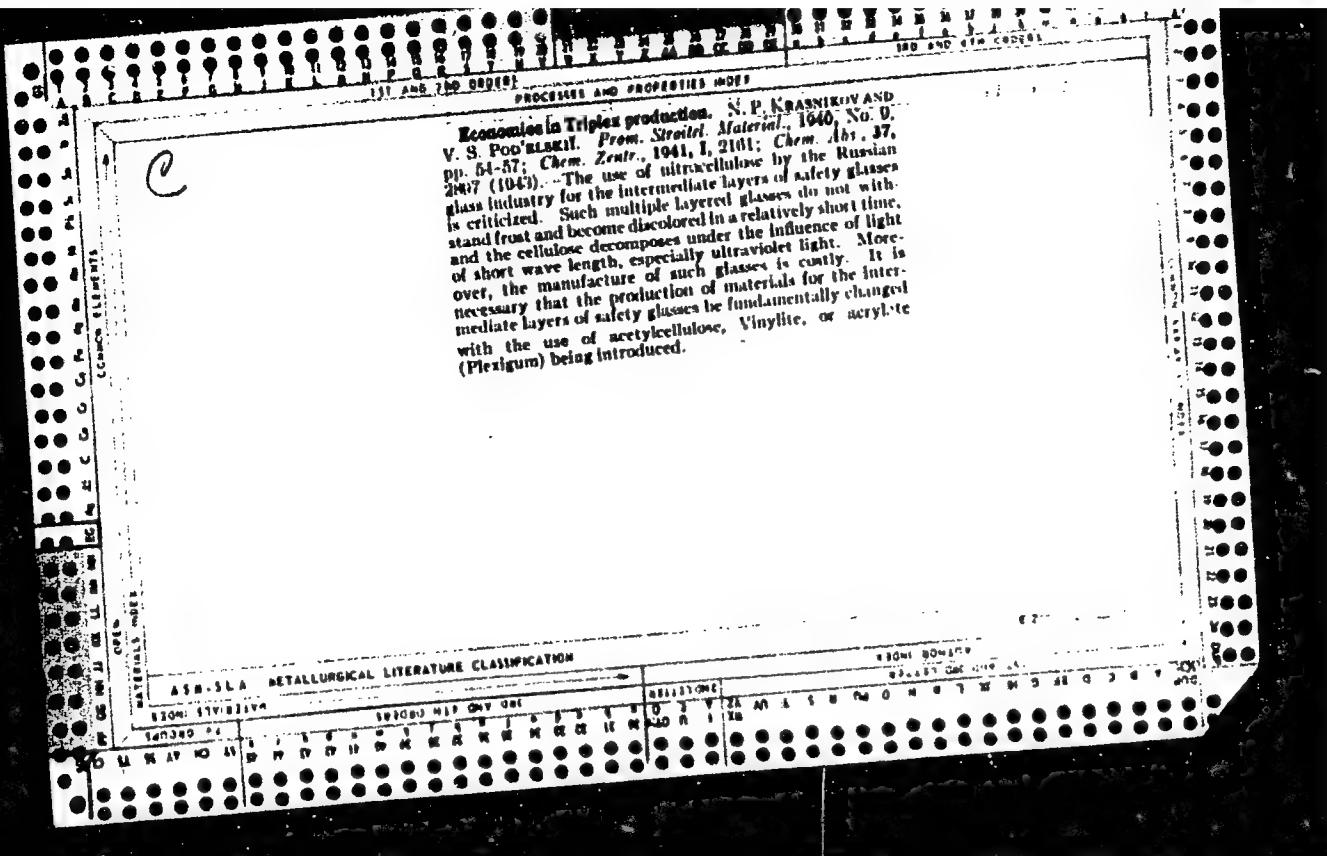
19

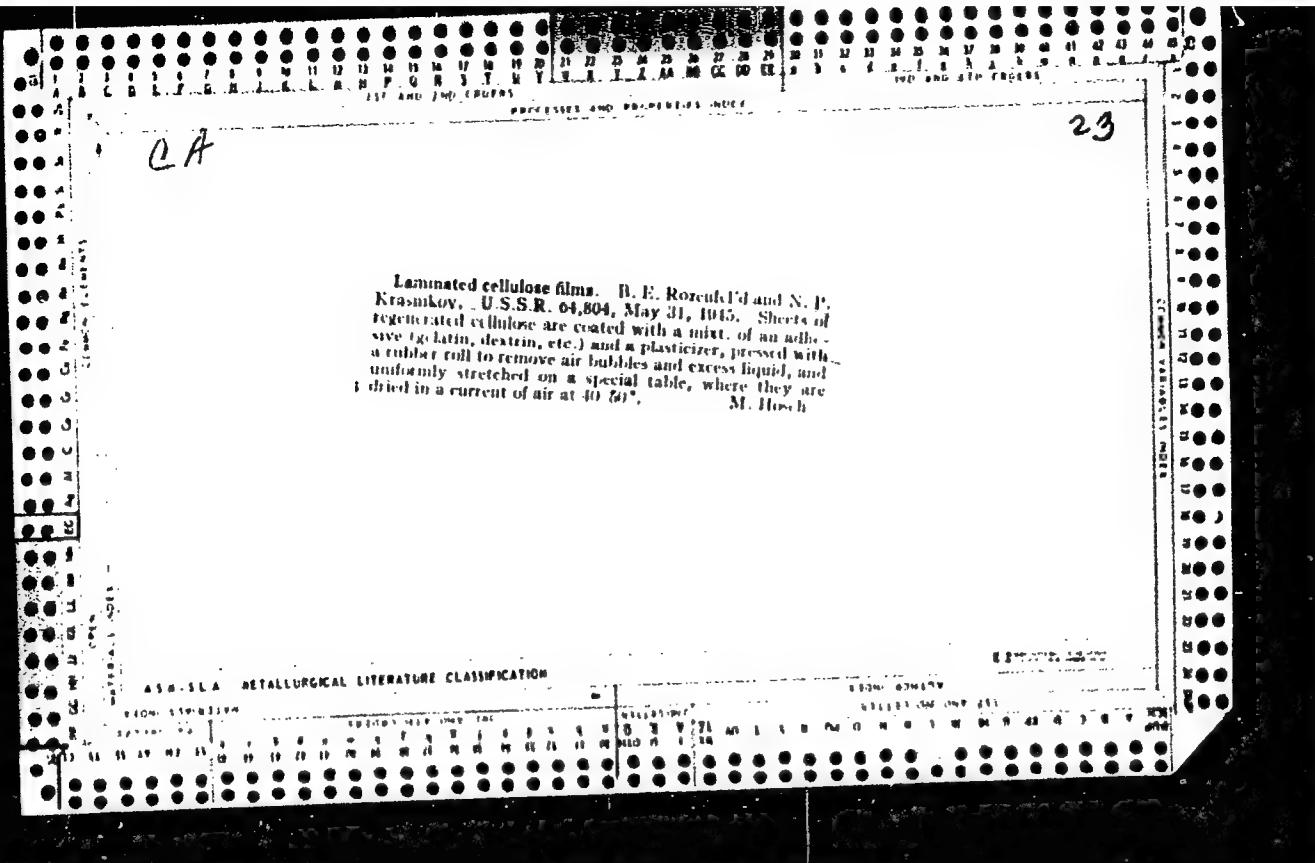
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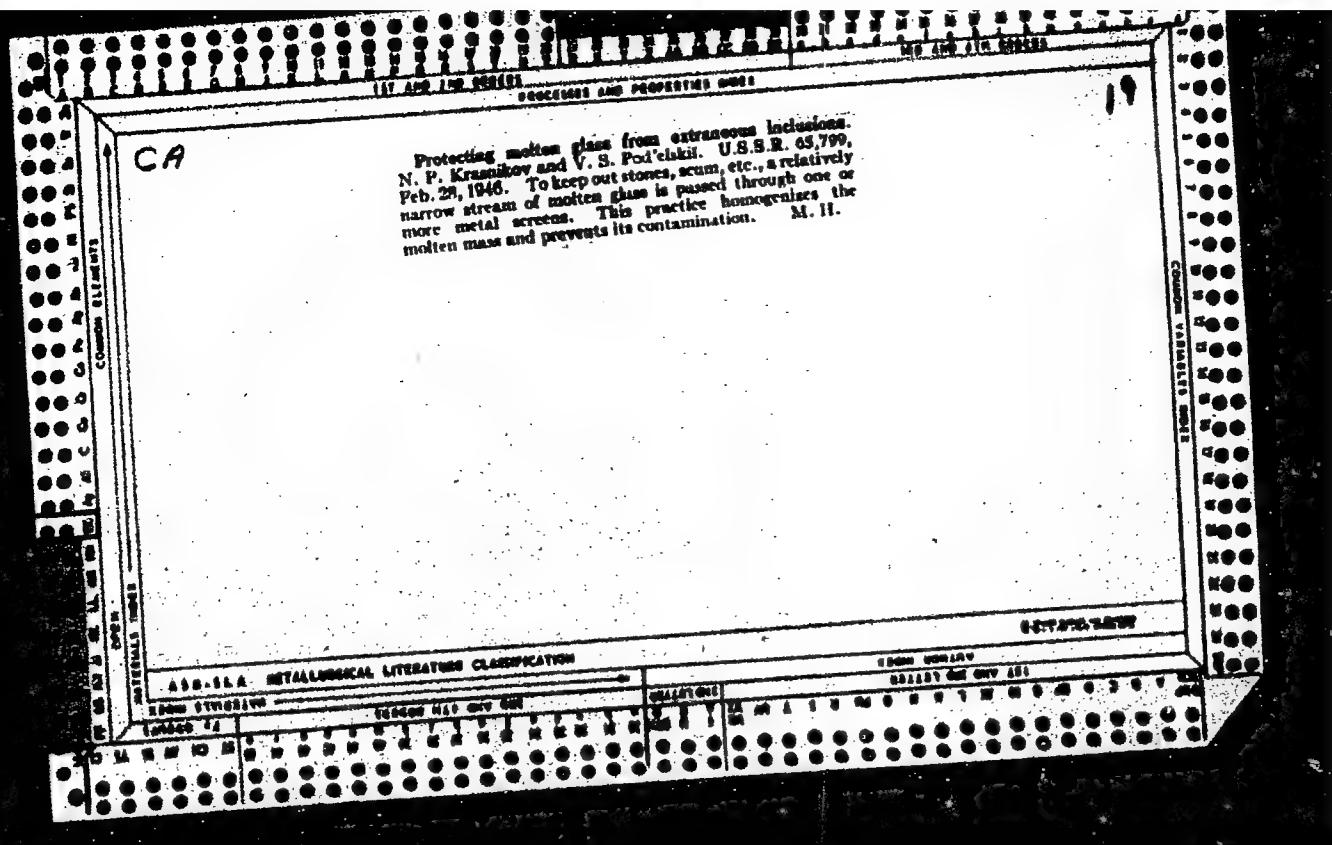
APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00082612OC

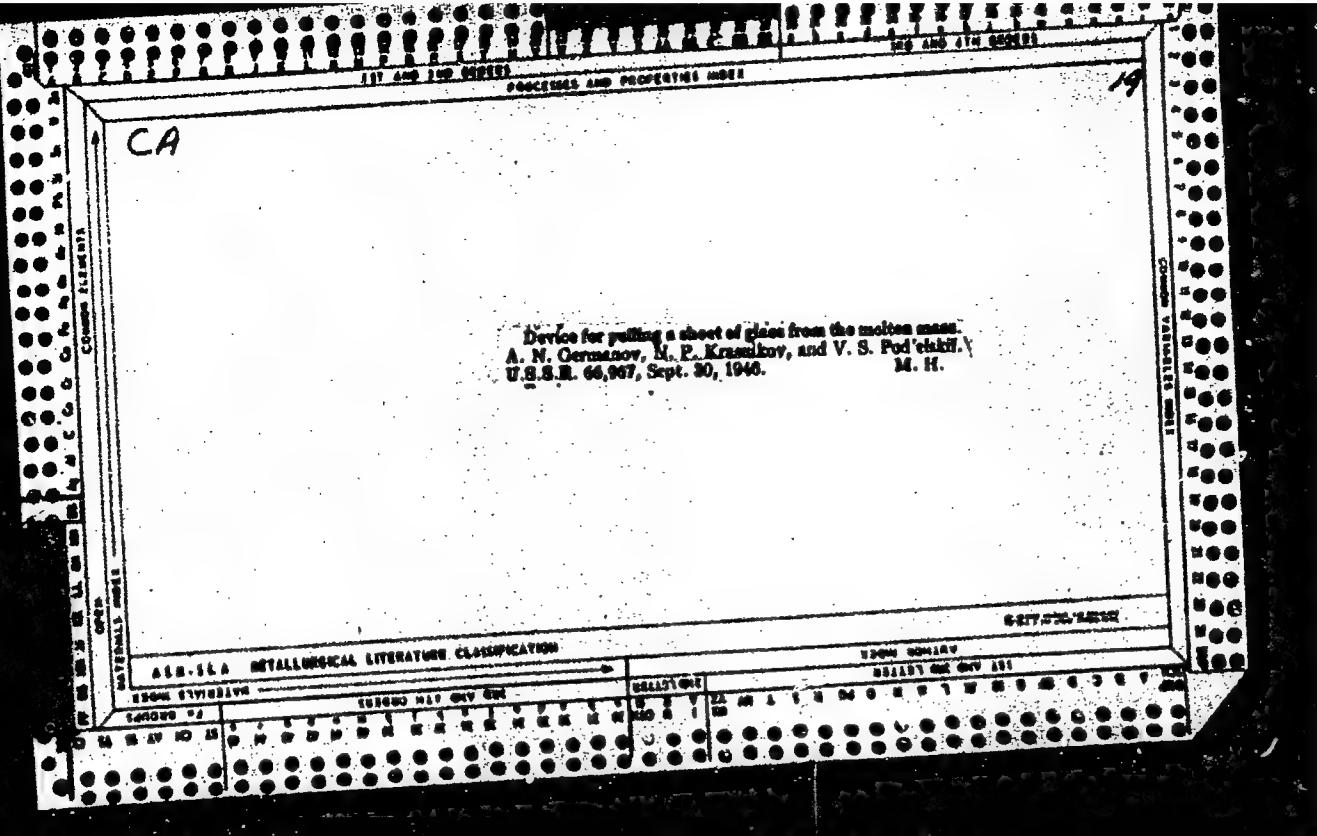


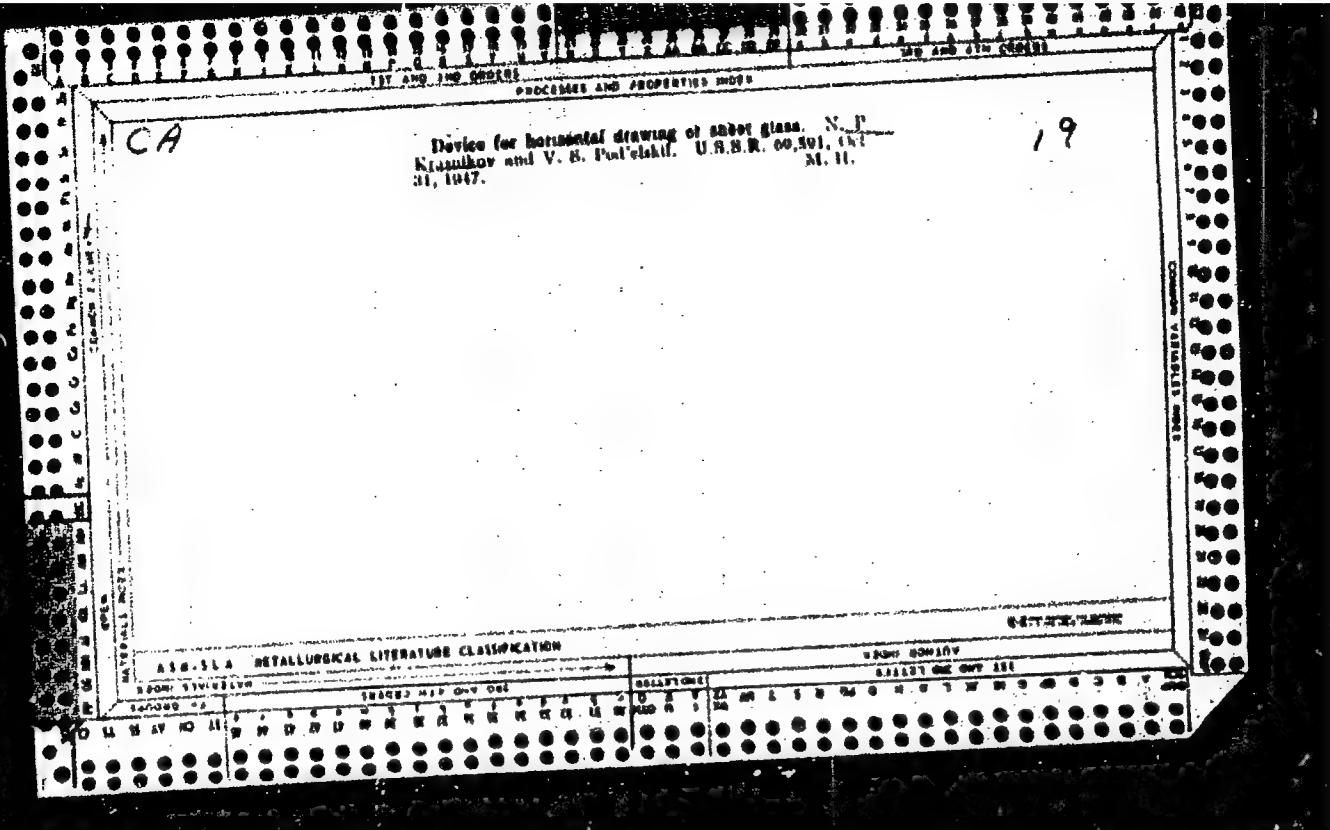










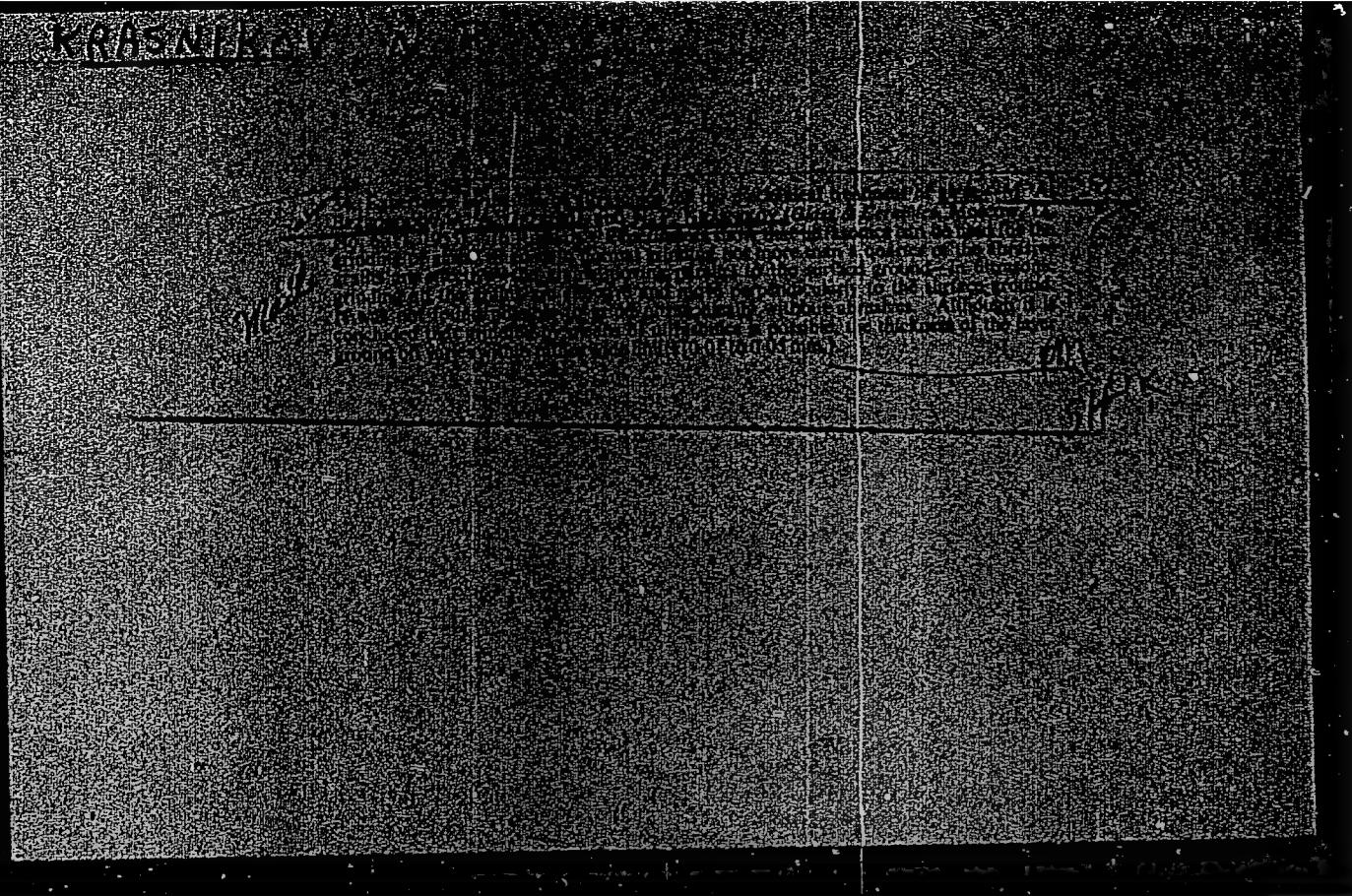


BT-9, Glass-Maxim  
Refractories

Frit Lab.

Basic principles in planning combined glass plants. N. F.  
Krasnikov (Steklo-Keram., 1949, 6, No. 5, 12; Brit. ceram. Abstr.,  
1949, 171 A).

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000826120



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000826120C

KRASNIKOV, N.P.

J-4

USSR / Acoustics. Ultrasonics.

Abs Jour : Ref Zhur - Fizika No 3, 1957, No 7479

Author : Bezhorodov, M.A., Gorburg, A.A., Krasnikov, N.P.

Inst : Mono  
Title : Experience in the Application of Ultrasonics to the Mechanical Working of Glass.

Orig Pub : Sb. stately Vses. Zaoch. politolchn. in-ta, 1956, vyp. 13,  
26-34

Abstract : After giving brief information on the nature of ultrasonic oscillations, the results of experimental work on the application of ultrasonics for polishing glass are reported. The experiments were made with a machine constructed at the Leningrad Metal Plant by Engineer, M.M. Pisarevskiy. Glass plates with a surface of 20 x 8 mm were polished. The area of the working tool varied from 20 x 1 mm to 20 x 20 mm, and the amplitude of the oscillations varied from 0.005 to 0.02 mm, and the time for a single cut ranged from 10 to 20 seconds. The thickness of the

Card : 1/2

- 79 -

USSR / Acoustics. Ultrasonics.

J-4

Abs Jour : Ref Zhur - Fizika No 3, 1957, No 7479

Abstract : layer removed by polishing in two passages fluctuated from 0.01 to 0.05 mm with a depth of the pits being 0.4 to 2.8 microns. The abrasives employed were boron carbide No 220, electro-corundum M7 -- M10, and emery. The authors believe that the ultrasonic method of polishing glass will turn out to be considerably more economical than the presently used mechanical method.

Card : 2/2

- 80 -

K R A S N I K O V , N . P .  
B E Z B O R O D O V , M . A . ; G E Z B U R G , A . A . ; K R A S N I K O V , N . P .

Experience in using ultrasonic waves for mechanical treatment of  
glass. Sbor.nauch.rab.Sel.politekhn.inst. no.55:12-18 '56. (MLRA 10:?)  
(Glass) (Ultrasonic waves--Industrial applications)

KRASNIKOV, N.V., elektromekhanik.

Resonance indicator. Avtom., telem. i sviaz' 2 no.7:21 J1 '58.  
(MIRA 11:6)

1. Grodnenskaya distantsiya signalizatsii i svyazi Belorusskoy  
dorogi.

(Railroads—Electronic equipment)

KRASNIKOV, N.V., elektromekhanik

Oscillator for checking ZhR-1 transmitter-receiver sets.  
Avtom.telem.i sviaz' 4 no.8:29 Ag '60. (MIRA 13:8)

1. Grodzenskaya distantsiya signalizatsii i svyazi  
Belorusskoy dorogi.  
(Oscillators, Electron-tube)  
(Railroads--Electronic equipment)

KRASNIKOV, N.V., elektromekhanik

Improvement of the operation of the ZhR-1 transmitter-receiver set.  
Avtom., telem. i sviaz' 5 no.5:21 My '61. (MIRA 14:6)

By Grodzenskaya distantsiya signalizatsii i svyazi Belorusskoy  
dorogi.

(Railroads--Electronic equipment)

KRASNIKOV, N.V., elektromekhanik

Attachment for regulating the performance of the Zhil-4 transmitter-receiver. Avtom., telem. i sviaz' 6 no.5:37-38 My '62.  
(MIRA 15:4)

1. Grodzenskaya distantsiya signalizatsii i svyazi Belorusskoy  
dorogi.

(Railroads—Communication systems)

KRASNIKOV, N.V.; CHUNTS, Z.G.

The VGI vibratory horizontal centrifuge. Biul.tekh.-ekon.inform.  
Gos.nauch.-issl.inst.nauch i tekhn.inform. 16 no5:10-11'63.  
(MIRA 16:7)

(Centrifuges)

1967 ENT(d)/ENT(m)/EMP(v)/EMP(t)/ETI/EMP(k)/EMP(h)/EMP(l) IIP(c) ID/IM/JK  
ACC N# AP6029673 SOURCE CODE: UR/0136/66/000/008/0077/0000

AUTHORS: Krasnikov, N. Ye.; Kushakevich, S. A.; Tokmakov, P. Ya.; Kazakov, K. A.;  
Shilin, O. K.; Gritsenko, Yu. P.; Matveyev, G. I.

ORG: none

TITLE: Adoption of rolling large round profiles from titanium alloys

SOURCE: Tsvetnyye metally, no. 8, 1966, 77-80

TOPIC TAGS: titanium alloy, metal rolling, metal forming

ABSTRACT: The rolling of large diameter (25 - 60 mm) titanium alloy stock was studied. Prior to rolling the specimens were heated for 10 min in an induction furnace up to a temperature of 1270--1370K, and for 5 min in a silit furnace at a temperature of 1270-1370K. A schematic of the rolling scheme is presented (see Fig. 1). The rolling margin was calculated after the formula of N. Ye. Krasnikov and N. P. Skryabin (Tsvetnyye metally, 1965, No. 4)

$$\Delta h = \frac{\Delta h \cdot B_0 \sqrt{\Delta h \cdot r}}{(H+h)^2} \times \left[ 1.7 - \frac{B_0 \sqrt{\Delta h \cdot r}}{(H+h)^2} \right]$$

where  $\Delta h$  is the absolute compression,  $B_0$  - width of zone before passage, H and h - height of zone before and after passage respectively, and r - the radius of the working roller. It was found that the experimental data were in good agreement with

UDC: 669.295-422.11622.771.2

Card 1/2

L 10636-67  
ACC NR: AP6029673

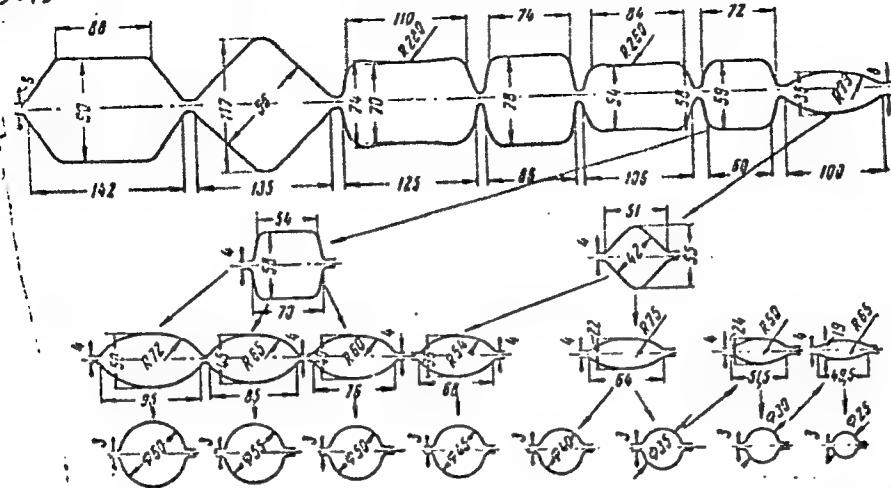
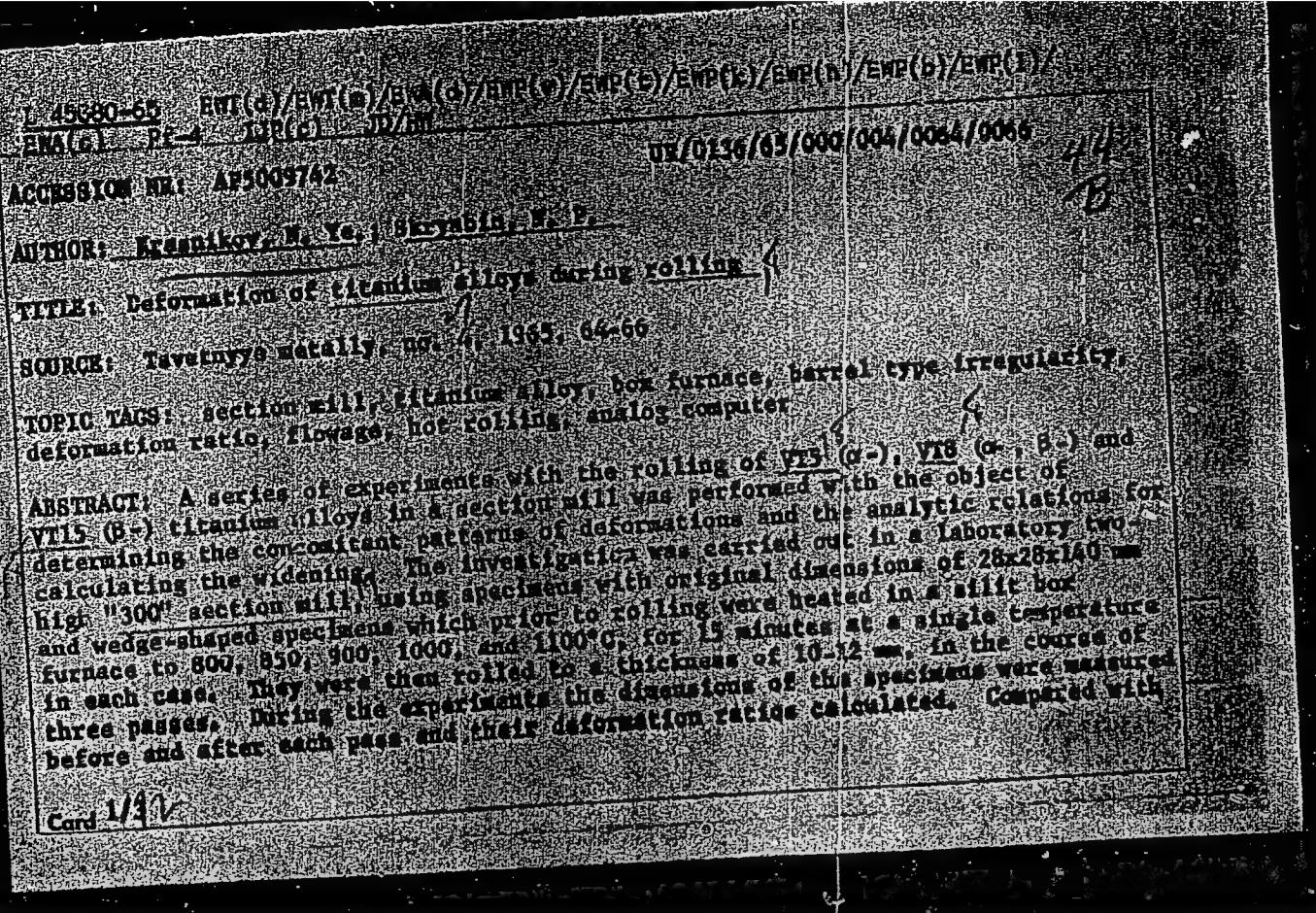


Fig. 1. Schematic for rolling large round profiles on rolling stand 450.

the above equation. The degree of mold filling for hexagonal, square, and oval specimens was calculated after I. Ya. Tarnovskiy (Formoizmeneniye pri plasticheskoy obrabotke metallov, Metallurgizdat, 1953). The results are tabulated. It is concluded that rolling of large diameter stock made of titanium alloys VT1-1, VT3-1, OT4, VT5, VT5-1, VT6, VT8, VT15, VT14, and others yields products with satisfactory mechanical properties. Orig. art. has: 1 table, 3 graphs, and 4 equations.

Orig. art. has: 1 table, 3 graphs, and 4 equations.

SUB CODE: 13 SUBM DATE: none ORIG REF: 006/ OTH REF: 001



L-45080-65

ACCESSION NR: AB5009742

steel, titanium alloys show greater development of barrel-type surface irregularities and their internal temperature distribution during cooling is less uniform; this is attributed to the fact that the heat conduction of titanium is 1.8 times lower than that of steel. On the basis of data obtained by means of an analog device, differential equations of heat balance were compiled, solved by means of an analog computer, and then used to plot curves of the cooling temperature of the metal over the thickness of the billet as a function of its cooling time, which showed that the surface of titanium alloys cool more rapidly than that of steel. Due to the considerable temperature drop between the center and the surface of titanium-alloy billets, the deformation over the depth of the billet does not proceed uniformly. The outer layers of the metal have a lower temperature than the inner and hence also a greater deformation resistance. Therefore, in the process of rolling, the elongage of the metal of the central layers of the billet predominates and so does their longitudinal and transverse displacement with respect to the surface layers, chiefly in the direction of the latter's resistance to width. On the basis of experimental findings Dr. V. V. Tikhonov has generalized curve of the widening index as a function of deformation factor (approximately drawn) for formula for calculating the widening of billets during the hot rolling of titanium alloy sections. Oxid. art. 2814. Figures 1-11.

Cont. 2/3

198-05 121/10(0)/11(0) / 13/EP(5)/E/EP(3)/EP(1)/EP(2)/EP(3) /  
ACCESSION #: AF10997 13/016/65/000/008/008//008  
669-295-004-12-621-111-2

AUTHOR: Krasnikov, N. Ya., Gerasimov, A. P., Kucharevich, S. A., Nikitin, V. M.,  
Bazhenov, V. V., Tikhonov, V. N., Orikashko, Yu. F., Mekhmutova, Tz. A.

TITLE: Investigation on the mechanical properties and structure of titanium  
alloys during rolling

SOURCE: Rastvorivye metally, no. 8, 1967, 54-85

TOPIC WORDS: titanium alloy, titanium alloy rolling, titanium alloy structure,  
titanium alloy mechanical properties

ABSTRACT: The mechanical properties and microstructure of BT2, BT8, and BT17 titanium  
alloys rolled on rolling mills 2001 at various temperatures and with various reduc-  
tions have been investigated. Specimens 20 × 20 × 110 mm were preheated and  
rolled with a rolling end temperature of 400, 850, 900, 1000, and 1100°C. The ex-  
periments showed that the rolling temperature of all the alloys increased as rolling tem-  
perature decreased from 1100 to 800°C. Microscopic examination revealed that micro-  
structure was not completed at 800–850°C, but only at 800–1000°C. The deformed  
microstructure improved and at 850°C the values changed according to the curve. hav-

Card 1/2

63-196-65

ACCESSION NO: AP-5019973

ing a maximum of 900 - 1000°C. A further increase in rolling temperature up to 1100°C increased the grain size and decreased the number of lamellae on the grain boundaries. As a result, the elongation and reduction of area dropped and the embrittlement increased. A change of rolling temperature from 10 to 21% affected the mechanical properties significantly but induced no significant change in microstructure. This improvement is caused by improved structure of grain boundaries at high stress and strain rate.

ASSOCIATION: none

SUBMISSION: 00

ORI: 00

SUB CODE: M/S

NO REF: 000

ORI: 000

AND PRESS: 000

Card 2/2

KRASNIKOV, N.Ye., SKRYABIN, N.P.

Deformation of titanium alloys during rolling. TSvet. met. 38 no.4  
64-65 Ap '65. (MIRA 18:5)

KOPP, I.F., prof.; KRASNIKOV, P.G., assistent

Report on the work of the Stalino Ophthalmologic Society for 1957.  
Oft.zhur. 13 no.7:446-447 '58.

(MIRA 12:1)

1. Predsedatel' pravleniya Stalinskogo oftalmologicheskogo obshchestva glaznykh vrachey (for Kopp). 2. Sekretar' pravleniya Stalinskogo oftalmologicheskogo obshchestva glaznykh vrachey (for Krasnikov).  
(STALINO--OPHTHALMOLOGIC SOCIETY)

KRASNIKOV, P.G.

Penetrating injuries of the eye with injuries to the ciliary body  
as a result of gunshot wounds. Voen. med. zhur. no.4:44-46 Ap '59.  
(EYE, wds. & inj. (MIRA 12:8)  
gunshot inj. causing perf. ocular inj. & ciliary  
lesions (Rns))

KRASNIKOV, P.G., assistant

A case of abortive explosive hemorrhage during extraction of  
a cataract. Oft.zhur. 14 no.3:182-184 '59. (MIRA 12:6)

1. Iz kliniki glaznykh bolezney (zav. - prof.F.I.Kopp) Stalin-  
skogo meditsinskogo instituta.  
(EYE--SURGERY) (HEMORRHAGE)

KOPP, I.F., prof.; KRASHNIKOV, P.G., assistant

Report of the Stalino Ophthalmological Society for 1958. Oft.  
zhur. 14 no.4:251-252 '59. (MIRA 12:10)

1. Predsedatel' pravleniya Stalinskogo oftalmologicheskogo  
obshchestva glaznykh vrachey za 1958 god (for Kopp). 2. Sekretar'  
Stalinskogo oftalmologicheskogo obshchestva glaznykh vrachey za  
1958 god (for Krashnikov).  
(STALINO--OPHTHALMOLOGICAL SOCIETIES)

KRASNIKOV, P.G., assistant

Experimental study of surgical treatment of cut wounds of the sclera  
in the area of the ciliary body. Oft.zhur. 14 no.8:488-493 '59.

(MIRA 13:4)

I. Iz kliniki glaznykh bolezney (zaveduyushchiy - prof. I.F. Kopp)  
Stalinskogo meditsinskogo instituta.  
(SCLERA--SURGERY)

KRASNIKOV, P.G.

Control of trachoma and eye diseases in a coal basin. Vest. oft.  
72 no.3:61-63 My-Je '59. (MIRA 12:7)

(COAL MINERS--DISEASES AND HYGIENE)  
(EYE--DISEASES AND DEFECTS)

KRASNIKOV, P.G. (Stalino)

Conference of the Ukrainian Republic Committee for Problems  
Pertaining to Blindness and Glaucoma on measures for the control  
of eye diseases and injuries in a coal basin. Gig. truda i prof.  
zab. 4 no.4:57-58 Ap '60. (MIRA 15:4)  
(DONETSK BASIN--EYE--WOUNDS AND INJURIES)

KRASNIKOV, P.G.

Explosion and bullet wounds of the eyes with the penetration of  
nonmagnetic splinters into the ciliary body. Oft. zhur. 18  
no.3:131-136 '63. (MIRA 17:4)

1. Iz kafedry glaznykh bolezney Donetskogo meditsinskogo instituta.

KRASHIKOV, P.G., assistant

Penetrating scleral wounds in the region of the ciliary body  
not complicated by intraocular foreign bodies. Oft. zhur. 18  
no.7:387-393 '63 (MIRA 17:4)

1. Iz kafedry glaznykh bolezney Donetskogo meditsinskogo insti-  
tuta.

MAKAROV, S.Z.; KRASHNIKOV, S.M. [deceased]

Study of conversions of solid solutions in the system:  $\text{Na}_2\text{SO}_4 - \text{Na}_2\text{CO}_3$ .  
Izv.Sekt.fiz.-khim.anal. 27:268-284 '56.  
(MLRA 9:9)

I.Institut obshchey i neorganicheskoy khimii imeni N.S.Kurnakova AN  
SSSR.  
(Sodium salts)

KRASNIKOV, S. N.

KRASNIKOV, S. N. - "Separation of Solid Bodies in a Magnetic Field." Sub 2 Jun  
52, Moscow City Pedagogical Inst imeni V. P. Potemkin. (Dissertation for  
the Degree of Candidate in Physicomathematical Sciences).

SO: Yechernaya Moskva January-December 1952

SOV/58-59-10-22754

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 10, p 138 (USSR)

AUTHOR: Krasnikov, S.N.

TITLE: Interference Method of Studying Linear Magnetostriction

PERIODICAL: Uch. zap. Mosk. gor. ped. in-ta, 1958, Vol 35, pp 107 - 110

ABSTRACT: The author suggests that the effect of linear magnetostriction in ferromagnetic rods be measured by using the phenomenon of interference of light in a thin open-air wedge, the angle of which varies with a variation in the length of the magnetized rod. The author provides a diagram of the setup, as well as the results of measurements for a number of materials. The described setup is recommended for studying magnetostrictive properties. It is convenient for university laboratories and lecture demonstrations.

O.I. Shirayeva

Card 1/1

KRASNIKOV, Sergey N.

ZHARKOV, Sergey Nikolayevich; KRASNIKOV, Sergey Nikiforovich; MIKHAIKOVICH,  
P.V., redaktor; MAKHOVA, N.N., tekhnicheskii redaktor

[Photography club in the secondary school; a manual for teachers]  
Fotograficheskii krushok v srednei shkole; rukovodstvo dlja pre-  
podavatelia. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv.  
RSFSR, 1956. 143 p.

(Photography)

(MLRA 10:4)

ARKHANGEL'SKIY, Sergey Ivanovich; KATSENELENBOGEN, Emmanuil Davidovich;  
KRASHNIKOV, Sergey Nikiforovich; TATURA, G.L., tekhn.red.

[Elementary photography; textbook for pedagogical institutes]  
Elementarnaya fotografija; uchebnoe posobie dlja pedinstitutov.  
Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSSSR, 1959.  
317 p.

(MIRA 12:10)

(Photography--Study and teaching)

KRASNIKOV, V.

Assimilating the experience of advanced builders. Prof.-tekhn.  
obr. 13 no.7:12-14 J1 '56. (MLRA 9:10)

1. Direktor stroitel'noy shkoly No. 2, Saratov.  
(Saratov--Building trades--Study and teaching)

KRASNIKOV, V. [Krasnykov, V.]

Living islands. Znan. ta pratsia no.3:29 Mr '59.  
(MIRA 12:10)  
(Pacific Ocean--Coral reefs and islands)

KRASNIKOV, V. [Krasnykov, V.], inzh.

Meteors and radio communication. Znan.ia pravil. no.6:3-31  
Je '59. (MIRA 12:11)  
(Radio, Shortwave) (Meteors)

KRASNIKOV, V. [Krasnykov, V.], inzh.

Magic pear, Znan. ta pratsia no.5:13-14 My '63.  
(MIRA 16:6)  
(Krivoy Rog—Bessemer process)

GOL'DANSKIY, Vitaliy Iosifovich; KRASNIKOV, V.A., red.; SUSHKOVA,  
L.A., tekhn. red.

[Mossbauer effect and its application in chemistry] Effekt  
Messbauera i ego primeneniiia v khimii. Moskva, Izd-vo AN  
SSSR, 1963. 81 p. (MIRA 16:10)

1. Chlen-korrespondent AN SSSR (for Gol'danskiy).  
(Mossbauer effect) (Chemistry, Physical and theoretical)

KRASNIKOV, V.F. (Moskva)

Theoretical and experimental investigation of a cam mechanism  
taking into consideration the precision of its manufacture.  
Mashinovedenie no.1:30-35 '65. (MIRA 18:5)

KRASNIKOV, V. I.

GEOCHEMISTRY

DECEASED

(C1962)

1963/3

L 2912-66 EWT(d)/EWT(l)/EWT(m)/EPP(n)-2/EWP(t)/EWP(k)/EWP(b)/EWP(1) LJP(c)  
AM5007578 JD/NW/JG/GW BOOK EXPLOITATION

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550.8:553.495

27  
B+1

Krasnikov, Vladimir Ivanovich (Government Prize Winner)

Geological criteria for uranium prospecting (Geologicheskiye predposyalki poiskov mestorozhdeniy urana) Moscow, Atomizdat, 1964. 0186 p. illus., biblio.  
Errata slip inserted. 1400 copies printed.

TOPIC TAGS: uranium, geologic exploration, prospecting, fissionable metal ore

PURPOSE AND COVERAGE: This book is the last work of the author who dedicated his life to research in exploration and prospecting of mineral deposits. Among others in this work are presented new concepts on the classification of uranium deposits, their evaluation and the natural prospecting conditions. Certain parts in the book, as in any work of new concepts, are controversial, nevertheless, the book is of great value to any geologist-prospector who will evaluate critically the new concepts on the subject. The book also will be of interest to a wide circle of specialists who work in the field of atomic industry.

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L 2912-66  
AM5007578

Ch. I. Generic and industrial types of uranium deposits — 7  
Ch. II. Geological prerequisites for prospecting uranium deposits — 60  
Ch. III. Dispersion halo as an important uranium deposit indication — 109  
Ch. IV. Natural prospecting conditions — 151  
Ch. V. Zoning of the searched territory by the nature of prospecting  
conditions — 170

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SUB CODE: ES, NP

NO REF SOV: 074

SUBMITTED: 28Apr64

OTHER: 023

BVK.  
Card 2/2

KRASNIKOV, Vladimir Ivanovich (1906-1962), prof., doktor geol.-  
miner. nauk; DYUKOV, A.I., otv. red.; KAZHDAN, A.B., otv.  
red.; PEREL'MAN, A.I., red.; SHARKOV, Yu.V., red.

[Fundamentals of an efficient method of prospecting for  
ore deposits] Osnovy ratsional'noi metodiki poiskov rud-  
nykh mestorozhdenii. 2. izd. Moskva, Nedra, 1965. 398 p.  
(MIRA 18:12)

KRASNICKOV, V. K.

AID P - 4310

Subject : USSR/Engineering

Card 1/1 Pub. 128 - 10/26

Authors : Krasnikov, V. K. and N. N. Karatayev

Title : Semiautomatic machine for rotor winding

Periodical : Vest. mash., #3, p. 35, Mr 1956

Abstract : A semiautomatic machine for single chord rotor winding with changeable saddle is described. Diagrams, photo.

Institution : None

Submitted : No date

ACC NR: AR6025708

SOURCE CODE: UR/0196/66/000/004/I013/I013

AUTHOR: Krasnikov, V. M.

TITLE: Determining the parameters of a double-cage induction motor from its specified mechanical characteristic

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 4I90

REF SOURCE: Elektromashinostr. i elektrooborudovaniye. Resp. mezhved. nauchno-tekhn. sb., vyp. 1, 1965, 56-60

TOPIC TAGS: induction motor, electric machine

ABSTRACT: By analyzing an equivalent circuit of the double-cage induction motor, it has been found that any point on its mechanical characteristic  $M = f(s)$  can be

determined by substituting the corresponding slip in this formula

$$M = mU \frac{\frac{A}{s} + Bs}{\frac{C}{s^2} + \frac{D}{s} + E + Fs + Ks^2},$$

where A, B, C, D, E, F, K are constant coefficients that depend on the motor-winding parameters. These coefficients are determined from a system of four equations set up for 4 points on the mechanical characteristic. An example of determining the machine parameters by the above method is given. G. Salgas [Translation of abstract]

SUB CODE: 09

Card 1/1

UDC: 621.313.333.4.001.24

1. KPASNIKOV, V. V.
2. USSR (600)
4. Krasnikov, V. V.
7. Practical handbook for the mechanization of afforestation ("Mechanization of forestry spot seeding." V. V. Krasnikov. Reviewed by Eng. A. I. Novikov.) Les i step', 5, no. 3, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KRASNIKOV, Vladimir Vasil'yevich; LETNEV, B.Ya., red.; PROKOF'YEVA,  
L.N., tekhn. red.

[Hoisting and conveying equipment in agriculture] Podzemno-  
transportnye mashiny v sel'skom khoziaistve. Moskva, Izd-vo  
sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 439 p.  
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(Agricultural machinery) (Hoisting machinery)  
(Conveying machinery)

KRASNIKOV, V. V.

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KRASNIKOV, V.V., kandidat tekhnicheskikh nauk.

Studying the process of contact drying. Trudy MTIPP no.6:99-  
113 '56. (MLRA 10:3)  
... (Drying)

KRASNIKOV, V.V., kandidat tekhnicheskikh nauk.

Ways for intensifying the process of contact drying. Trudy MTIPP  
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(Drying)

KRASNIKOV, V.V.  
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Heat computations for contact drying devices. Trudy MTIPP  
no.8:64-70 '57. (MIRA 10:12)  
(Drying) (Heat--Transmission)

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Kinetics of contact drying processes under various conditions.  
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KRASNIKOV, V.V., kand.tekhn.nauk; DANILOV, V.A., inzh.

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1. Moskovskiy tekhnologicheskiy institut pishchevoy promy-  
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KRASNIKOV, V.V.

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(Food—Drying) (Moisture)

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Electric contact method of drying thin fibrous materials. Trudy  
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"Heat and Mass Transfer at the Process of Combined Drying  
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Report submitted for the Conference on Heat and Mass Transfer,  
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Heat and mass transfer in the conductive convective drying of  
capillary porous bodies. Inzh.-fiz. zhur. 4 no.6:27-32 Je '61.  
(MIRA 14:7)

1. Tekhnologicheskiy institut pishchevoy promyshlennosti,  
Moskva.

(Mass trasfer) (Heat—Transmission) (Drying)

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Local rates of mass transfer in composite drying. Inzh.-fiz. zhur.  
5 no.7:39-44 Jl '62. (MIRA 15:7)

1. Tekhnologicheskiy institut pishchevoy promyshlennosti, Moskva.  
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STREL'TSOV, V.V.; SHCHUKIN, V.K.; REBROW, A.K.; FUKS, G.I.; KUTATELADZE, S.S.; LYKOV, A.V.; PREDVODITELEV, A.S.; KONAKOV, P.K.; DUSHCHENKO, V.P.; MAKSIMOV, G.A.; KRASNIKOV, V.V.

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1. Khimiko-tehnologicheskiy institut, g. Ivanovo (for Strel'tsov ).
2. Aviatsionnyy institut, Kazan' (for Shchukin, Rebrov). 3. Politehnicheskiy institut, Tomsk (for Fuks). 4. Institut teplofiziki Sibirsogo otdeleniya AN SSSR, Novosibirsk (for Kutateladze). 5. Energeticheskiy institut AN BSSR, Minsk (for Lykov). 6. Gosudarstvennyy universitet imeni Lomonosova, Moskva (for Predvoditelev). 7. Institut inzhenerov zheleznodorozhnogo transporta, Moskva (for Konakov).
8. Institut legkoy promyshlennosti, Kiyev (for Dushchenko).
9. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti, Moskva (for Maksimov). 10. Tekhnologicheskiy institut pishchevoy promyshlennosti, Moskva (for Krasnikov).

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KRASNIKOV, V.V., dotsent, kand.tekhn.nauk; DANILOV, V.A., inzh.

Kinetics of paper heating in case of drying. Bum.prom.  
37 no.11:18-20 N '62. (MIRA 15:12)  
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[Mass-transfer characteristics and structural-mechanical properties of food products] Massoobmennye kharakteristiki i strukturno-mekhanicheskie svoistva pishchevykh produktov. Moskva, Tsentral'nyi nauchno-tekhnicheskii informatsionnyi pishchevoy promyshlennost', 1963. 38 p. (MIRA 17:12)

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"High-velocity convective and combined drying of fibrous materials."

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GIVNEV, A.S.; KRASHINOV, V.V.; SOKOLOV, N.G.

Investigating optical properties of materials created by thermal radiation. Inzh.-fiz. zhur. 8 no.6:742-746 Je '65. (MIRA 18:7)

1. Tekhnologicheskiy institut pishchevoy promyshlennosti, Moscow.

LYKOV, A.V.; LEBEDEV, P.D.; VUKALOVICH, M.P.; GINZBURG, A.S.; SMOL'SKIY,  
B.M.; SOKOLOV, Ye.Ya.; SEMENENKO, N.A.; LYKOV, M.V.; LEONCHIK,  
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Georgii Aleksandrovich Maksimov; obituary. Inzh.-fiz.  
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KRASNIKOV, Ye.I. [Krasnykov, I.E.I.]; ISAKOVA, D.M.; NESTERENKO, O.A.  
[Nesterenko, O.O.]

Use of some wastes of the antibiotics industry for growing  
fodder yeast. Mikrobiol. zhur. 27 no.5:80-84 '65.

(MIRA 18:10)

KRASNIKOV, Yu.D.

Reducing the dynamic loads and increasing the operating  
stability of planes. Nauch.sooob.IGD 14.149-54 '62  
(MIRA 16:1)  
(Planes (Hand tools))

KRASNAYA POLYANA, RUSSIA  
2000-07-31  
PRACTICAL EXPERIENCE WITH A DO-1 COMBINATION OF VINDA NARROW CUT  
Cutter-Loader. The Assembly Yield: Mechanical Truck, Tyre-hauler, Robot Driver,  
Tractor (Kirovets T-150), D-10 (1577-10-18). Pictures and diagrams are given for both  
of a low wall vindal combination of equipment including a DO-1 cutter-loader  
which is a modification of the Domator-1 cutter-loader giving a cut 1.0 instead  
of 1.6 m wide.

KRASNIKOV, Yu. D.

ZAMYATIN, I.S., inzhener.; KRASNIKOV, Yu. D., inzhener.

Operation of the DU-1 narrow grab unit. Mekh. trud. rab. 11 no.2:  
10-14 F '57. (MIRA 10:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut.  
(Coal mining machinery)

KRASHNIKOV, YU. D.

IVANOV, K.I., inzhener; KRASHNIKOV, Yu.D., inzhener; TISHCHENKO, N.A., inzhener.

Invent new methods for mechanized coal mining. Mekh.trud.rab. 11  
no.5:31-32 My '57. (MIRA 10:7)  
(Coal mining machinery)

KRASNIKOV, Yu.D.

UVANOV, K.I.; KRASNIKOV, Yu.D.; TISHCHENKO, N.A.; VOYTENKO, I.S., gornyy  
inzhener.

New mining methods; parts 7 and 8. Ugol' 32 no.7:22-25 J1 '57.  
(MIRA 10:?)

1. Vsesoyuznyy Ugol'nyy institut (for Ivanov, Krasnikov, Tishchenko).  
(Coal mines and mining)

KRASNIKOV, Yu.D., insh.

Speeding-up the creation of narrow-range, shuttle-type, cutter-loaders. Ugol' 35 no.7:61 Jl '60. (MIRA 13:7)  
(Coal mining machinery)

KRASNIKOV, Yu.D., inzh.

Determining the loads acting in mining machines in connection with  
the stopping of their working parts. Izv.vys.ucheb.zav.; gor.zhur.  
no.3:105-108 '61. (MIRA 15:4)

1. Institut gornogo dela AN SSSR; rekomendovana kafedroy gornykh  
mashin Moskovskogo gornogo instituta.  
(Mining machinery)

KRASHNIKOV, Yu.D., kand.tekhn.nauk

Methodology of determining the design loads in static plows.  
Makh. i avtom. v gor. prom. no.3:68-84 '63. (MIRA 16:10)

KRASNIKOV, Yu.D., kand. tekhn. nauk

Methodology of testing and designing the chain traction  
part of plows. Nauch. soob. IGD 18:132-135 '63.  
(MIRA 16:11)

L 23900-66 EWT(1)/EWK(h)  
ACC NR: AP6014963

SOURCE CODE: UR/0302/65/000/001/0043/0045

AUTHOR: Morozov, R. P.; Kuznetsov, B. A.; Krasnikov, Yu. G.

58

B

ORG: none

TITLE: Time delay transistor element

SOURCE: Avtomatika i priborostroyeniye, no. 1, 1965, 43-45

TOPIC TAGS: flip flop circuit, silicon diode, automatic control, transistorized circuit

ABSTRACT: Transistorized control systems often require prolonged temporary signal delays, with a time delay element being used for this purpose. The known time delay elements, however, have a number of shortcomings: low temperature stability, impossibility of obtaining prolonged time delays, considerable dependence of time delays on fluctuations of supply voltage. Therefore, the Ukrainian Scientific Research Tube Institute has developed a TIME DELAY element free of these shortcomings. In this element the time delay is determined by an integrating network  $R_1$ ,  $R_2$ ,  $C$  whose output is connected via a silicon diode to a flip-flop - the output element. Prolonged time delays can be achieved since the capacitor discharge current is not the flip-flop's input current, so that it does not energize the flip-flop! Instead, the flip-flop is energized by a special pulsed voltage generator connected to the second plate of the capacitor. Therefore, capacitance  $C$ .

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UDC: 621.373.5:621.373.53

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ACC NR: AP6014963

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can be made sufficiently small despite high magnitudes of resistance  $R_2$ . Laboratory and operating trials of the new elements showed that, in the presence of an ambient temperature of  $18^{\circ}\text{C}$  and fluctuations of  $\pm 25\%$  in the supply voltage the deviations of time delay did not exceed  $\pm(1.0-1.5)\%$ ; when the temperature rose to  $65^{\circ}\text{C}$ , with supply-voltage fluctuations remaining the same, these deviations reached only  $\pm(1.5-2.0)\%$ . Currently the new TIME DELAY element is successfully operating in a contactless system for the automatic control of piercing of billets in a continuous tube-rolling installation. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2 BK

MOROZOV, R.P.; KUZNETSOV, B.A.; KRASNIKOV, Yu.G.

Transistorized "time delay" unit. Avtom. i prib. no.1:43-45  
Ja-Mr '65. (MIRA 18:8)

KRASNIKOVA, A. P., Cand Med Sci -- (diss) "Application of the mud preparation of A. L. Shinkarenko in keratitis." Ashkhabad, 1959. 16 pp; (Ashkhabad State Medical Inst); 215 copies; price not given; (KL, 22-60, 144)

ACC NR: AP6036978

(A,N)

SOURCE CODE: UR/0181/66/008/011/3320/3323

AUTHOR: Krasnikova, A. Ya.; Polandov, I. N.; Mylov, V. P.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Character of the behavior of the ferroelectric properties of potassium ferrocyanide

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3320-3323

TOPIC TAGS: potassium compound, ferroelectric property, phase transition, paraelectricity, high pressure research, dielectric constant, temperature dependence

ABSTRACT: This is a continuation of earlier work (FTT v. 8, no. 1, 1967) dealing with the ferroelectric phase transition in potassium ferrocyanide  $K_4Fe(CN)_6 \cdot 3H_2O$  in different crystalline modifications. The purpose of the present investigation was to determine the influence of high hydrostatic pressure on the dielectric properties of potassium ferrocyanide, in order to obtain new information on the character of the polytypical transformations observed in this crystal. A single crystal with [101] cut, grown from a solution of recrystallized salt, was tested. The dielectric characteristics were measured in the temperature range from 0 to -55°C at pressures up to 5500 kg/cm<sup>2</sup>. The tests showed that the greatest sensitivity of the dielectric constant to pressures observed in the region of the transition to the paraelectric phase, for which the rate of change of the transition temperature with pressure is  $2.3 \times 10^{-3}$  deg-cm<sup>2</sup>/kg, and the rate of change of the maximum dielectric constant with

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ACC NR: AP6036978

pressure is  $11.8 \times 10^{-3} \text{ kg}^{-1}\text{cm}^2$ . The temperature dependence of the dielectric constant of potassium ferrocyanide exhibited an oscillatory dependence on the temperature, with the values of the peaks and the distances between them differing with the applied pressure. The authors thank L. F. Vereshchagin and V. A. Koptsik for directing the work and discussing the results. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 19Mar66/ ORIG REF: 004/ OTH REF: 004

Card. 2/2

ACC NR: AP/005352

SOURCE CODE: UR/0181/07/009/001/0116/0121

AUTHOR: Krasnikova, A. Ya.; Koptsik, V. A.; Strukov, B. A.; Van Min

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Dielectric and optical investigations of the irreversible ferroelectric phase transition in crystals of potassium

SOURCE: Fizika tverdogo tela, v. 9, no. 1, 1967, 116-121

TOPIC TAGS: potassium compound, ferroelectricity, phase transition, dielectric constant, electric polarization, double refraction

ABSTRACT: The authors carried out precision measurements of the dielectric constant, polarization, and the coercive field, and also investigations of birefringence of tetragonal potassium ferrocyanide crystals in the temperature interval -10 - -70C. The apparatus used for the investigations is described elsewhere (PTE no. 1, 183, 1961 and earlier). All the electric and optical properties exhibited anomalies near the ferroelectric phase transition point at -55.6C. For the tetragonal crystals tested, the irreversible transition is accompanied by spontaneous polarization along the [101] and [101] directions, with values 1 and 0.75 microcoulomb/cm<sup>2</sup> respectively. It was also observed that in crystals with small angles between the optical axes irreversible transitions are observed at temperatures that increase with increasing angle between the optical axes. Comparison of the results with nuclear magnetic res-

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ACC NR: AF7005332

onance and other tests made on these crystals leads to the conclusion that a probable connection exists between the physical properties and the fact that as a rule a potassium ferrocyanide crystal does not crystallize with any one distinct structure, but all its structural types crystallize simultaneously so that it is difficult to establish the limits governing the crystallization conditions of any particular modification. The authors thank G. S. Zhdanov and M. M. Umanskiy for a discussion of the results. Orig. art. has: 7 figures.

SUB CODE: 20/ SUBM DATE: 26May66/ ORIG REF: 006/ OTH REF: 003

Card 2/2

147025 65 RUEK/DP/10 071107Z JUN 65 RUE/MEC(5) AV/FMP(5)/ZEC(5) ZAY/NSC  
147025 65 RUEK/DP/10 071107Z JUN 65 RUE/MEC(5) AV/FMP(5)/ZEC(5) ZAY/NSC  
ACCESSION NO. A95016115 UR/0048/65/029/016/0903/0906

AUTHOR: Kozminova, L.Ya., Topash, V.A.

TITLE: X-ray diffraction study of the superstructure phase transition in ammonium fluorosulfonilimide crystals /Report, 4th All-Union Conference on Ferroelectrics, 1964, in Rostov-on-the-Don, 12-18 Sept 1964/

SOURCE: AN SSSR, Izvestiya Ser.-Fizicheskaya, v.29, no.6, 1965, 903-906

TOPIC-TAGS: ferroelectric crystal, phase transition, x-ray diffraction, ammonium compound, sulfonium compound, Fluorine compound

ABSTRACT: The authors have investigated the x-ray diffraction of  $(\text{NH}_4)_2\text{SeF}_4$  single crystals at room temperature and -100°C. The investigation was undertaken because of the importance of superstructure transitions in ferroelectric materials and because inconsistencies in the published data suggest that the superstructure may depend on the manner in which the crystal is grown or on the dimensions of the sample (e.g., on whether it is a thin film). Most of the paper is devoted

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ACCESSION NR. AF5016115

to a description of the oryostat in which cooling was accomplished by a stream of nitrogen gas. The temperature was held constant within 0.2°C., and the temperature gradient in the sample was 0.1°C/cm. The crystals were grown by evaporating aqueous solutions at room temperature. Two sorts of crystals were obtained: needles oriented along the  $b$ -axis, and plates with the edges perpendicular to the large faces. Rocking crystal diffraction photographs recorded with Cu K $\alpha$  radiation at 20° and 100°C. showed that the lattice constant  $a$  is doubled in the ferroelectric phase. The lattice constants  $a$  and  $2a$  in the ferroelectric and paraelectric phases, as well as the point cell symmetries in the two phases were found to be in agreement with the findings of Y. Okaya, K. Vedam and R. Papatya (Acta Crystallogr. B1, 307, 1958). Investigation of the lattice constants in the paraelectric phase showed that the lattice constant was doubled in the plates but not in the needles. The authors express their gratitude to M.M.Umansky for consultations on the construction of the oryostat and for valuable remarks. One chart and 2 tables and 2 figures.

Card 2/3

1-57-25-65

ACCESSION NR - AP6016115

ASSOCIATION: 15-ticheskogo-fakulteta-Moskovskogo-gosudarstvennogo-universiteta, im. M. V. Lomonosova (15th-Chemical-Faculty, Moscow State Univ.)

SURVEYED: 00

ENC'D: 00

SUB. CODE: 85

NR REG Sov: 008

OFFICE: 004

MR  
P.M.  
End 7/3

KRASNIKOVA, G.Ya.

Spectral determination of impurities and components in optical  
glasses. Stek. i ker. 21 no.11:31-33 N '64.

(MIRA 18:4)

KHASHIKOVA, L.

Doctor's ally. Sov.foto 20 no.6:43 Je '60. (MIRA 13:7)  
(PHOTOGRAPHY, MEDICAL)

KRASNIKOVA, L.Ya.; KHOMCHENKO, G.P.; VOVCHENKO, G.P.

Effect of the reaction products on the catalytic reduction of  
crotonic and maleic acids on platinum. Vest. Nauk. un. Ser.  
2:Khim. 20 no. 5:45-8-0 '65. (VTPR 18:12)

1. Kafedra obshchey khimii Moskovskogo gosudarstvennogo  
universiteta. Submitted Dec. 31, 1964.